

Flood Control Project Maintenance
2009 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District Gomes Lake

Gomes Lake Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Pumps	A
	Power	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	M
	Other Metallic Items	A
	Flap Gates	A
	Security Fencing	A
	Intake and Discharge Pipes	A
	Pressurized Pipe	A

Flood Control Project Maintenance**Unit Cover Sheet****2009 Pumping Plant Inspection Results****Turlock Irrigation District Gomes Lake**

Pumping Plant
Gomes Lake Pumping Plant

Pumping Plant Rating	A
Date of Inspection	7/28/2009
DWR Inspector	David Pesavento
Accompanied By	Brian Wisdom TID
	Kevin Greener TID

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

Turlock Irrigation District Gomes Lake

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/20/2009 08/20/2009	David Pesavento

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Pump Stations	Operating Log		A	Inspector Comments: A copy is kept at office, will bring a copy to the station ASAP.	°	°		1
2	0.00	0.00	Pump Stations	Operation & Maintenance Manual		A	Inspector Comments: A copy is kept at office, will bring a copy to the station ASAP.	°	°		2
3	0.00	0.00	Pump Stations	Plant Building		A	Inspector Comments: The plant is maintained in good condition with no apparent issues that would affect the operation. Minor vandalism occurs, mostly bullet holes.	°	°	Y	3
4	0.00	0.00	Pump Stations	Communications		A	Inspector Comments: Personnel carry cell phones.	°	°		4
5	0.00	0.00	Pump Stations	Safety		A	Inspector Comments: There were no significant hazards to plant personnel observed. The lights at the plant have been shot out, but maintenance staff are unable to prevent any installed lights from being shot at.	°	°	Y	5
6	0.00	0.00	Pump Stations	Cranes		N	Inspector Comments: There is no crane at this station.	°	°		6
7	0.00	0.00	Pump Stations	Pumps		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: During the previous month's testing, one of the pumps was not properly. Repair is scheduled in a couple days. The other two pumps were reported as operational but were not turned on during this inspection.	°	°	Y	7
8	0.00	0.00	Pump Stations	Power		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The maintaining agency is also the power provider for this plant and can prioritize any necessary repairs to the power grid or provide other generating methods.	°	°	Y	8
9	0.00	0.00	Pump Stations	Motors, Engines, Fans & Gear Reducers		N	Inspector Comments: There are no electrical or mechanical motors at this plant other than the pumps and gate operators.	°	°		9
10	0.00	0.00	Pump Stations	Pump Control Systems		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The equipment appeared to be well maintained and operational.	°	°	Y	10
11	0.00	0.00	Pump Stations	Sumps/Wet Well		A	Inspector Comments: No debris was observed in the sump area.	°	°	Y	11

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2009

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Pumping Plant						Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant							08/20/2009 08/20/2009	David Pesavento

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
12	0.00	0.00	Pump Stations	Trash Racks		A	Inspector Comments: The trash rakes appeared to be structurally sound and adequately maintained. No significant debris was observed on them.	°	°		12
13	0.00	0.00	Pump Stations	Trash Rakes		N	Inspector Comments: Trash rakes are manually cleared.	°	°		13
14	0.00	0.00	Pump Stations	Sluice / Slide Gates		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The gates appeared to be functional but were not moved during this inspection.	°	°	Y	14
15	0.00	0.00	Pump Stations	Electric Gate Operators		A	Item inspected visually only. Item was not operated during the inspection. Inspector Comments: The operators are control onsite but were not tested during this inspection. They appear to be capable of performing and adequately maintained.	°	°		15
16	0.00	0.00	Pump Stations	Manual Gate Operators		M	Inspector Comments: The manual operators were not able to be engaged during this inspection and no tools were available to assist. The operators should be periodically greased and operated to ensure functionality if electrical power is not available.	°	°	Y	16
17	0.00	0.00	Pump Stations	Other Metallic Items		A	Inspector Comments: Some rust was observed on the handrails and other metal at the plant, but none that would affect the performance of the plant.	°	°		17
18	0.00	0.00	Pump Stations	Flap Gates		A	Inspector Comments: The flap gates appeared to be capable of performing as intended.	°	°	Y	18
19	0.00	0.00	Pump Stations	Closure Structures		N	Inspector Comments: There are no closure structures at this plant.	°	°		19
20	0.00	0.00	Pump Stations	Security Fencing		A	Inspector Comments: The plant has a gate capable of restricting access to the pumps.	°	°		20
21	0.00	0.00	Pump Stations	Intake and Discharge Pipes		A	Inspector Comments: There was no evidence of any breaks in the pipes observed during the inspection.	°	°		21
22	0.00	0.00	Pump Stations	Pressurized Pipe		A	Inspector Comments: There was no evidence of any breaks in the pipes observed during the inspection.	°	°		22

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Pumping Plant	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/20/2009 08/20/2009	David Pesavento

Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building
View of the pump plant structure from the north west.	
dpesaven_20090820_60.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Plant Building
View of the pump plant structure from the south-east.	
dpesaven_20090820_61.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Safety
View of one of the lights at the plant that have been shot out.	
dpesaven_20090820_62.jpg	

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Turlock Irrigation District Gomes Lake

Pumping Plant	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		08/20/2009 08/20/2009	David Pesavento

Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of pump #1.

dpesaven_20090820_63.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of pump #2.

dpesaven_20090820_64.jpg



Levee Mile Report Line	7
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pumps

View of pump #3.

dpesaven_20090820_65.jpg

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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Structure 2009

Turlock Irrigation District Gomes Lake

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Gomes Lake Pumping Plant		08/20/2009 08/20/2009	David Pesavento

Levee Mile Report Line	8
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Power

View of the electrical supply and transformers for the pump plant.

dpesaven_20090820_66.jpg



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the new sonar water level sensor.

dpesaven_20090820_67.jpg



Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the power/pump control panel.

dpesaven_20090820_68.jpg



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Levee Mile Report Line	10
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Pump Control Systems

View of the water level detecting equipment and SCADA. Note the new sonar equipment on the center of the board.

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Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the sump under pumps #1 and 2.

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Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the sump under pump #3.

dpesaven_20090820_71.jpg



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Levee Mile Report Line	11
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sumps/Wet Well

View of the underside of the station platform from the sump.

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Levee Mile Report Line	14
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Sluice / Slide Gates

View of one of the slide gates.

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Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

View of the gate operators.

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Levee Mile Report Line	16
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Manual Gate Operators

Closer view of one of the gate operators.

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Levee Mile Report Line	18
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Pump Stations
Item	Flap Gates

View of the outfall and flap gates.

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